



Search Results

BROWSE

SEARCH

IEEE Xplore GUIDE

Results for "((uplink <and> downlink <and> wavelength)<in>metadata)"

[e-mail](#)

Your search matched 16 of 1372086 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by **Relevance** in **Descending** order.

» Search Options

[View Session History](#)[New Search](#)

Modify Search

((uplink <and> downlink <and> wavelength)<in>metadata)

[Search](#) Check to search only within this results setDisplay Format: Citation Citation & Abstract

» Key

IEEE JNL IEEE Journal or Magazine

[view selected items](#)[Select All](#) [Deselect All](#)

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

 1. **Adapting a downlink array from uplink measurements**

Hochwald, B.M.; Maretta, T.L.;

[Signal Processing, IEEE Transactions on](#) [see also [Acoustics, Speech, and Signal Processing, IEEE Transactions on](#)]Volume 49, Issue 3, March 2001 Page(s):642 - 653
Digital Object Identifier 10.1109/78.905894[AbstractPlus](#) | [References](#) | Full Text: [PDF\(228 KB\)](#) [IEEE JNL](#)
[Rights and Permissions](#) 2. **Effects of precipitation on 15.3- and 31.65-GHz earth—Space transmission via satellite**

Ippolito, L.J.;

[Proceedings of the IEEE](#)

Volume 59, Issue 2, Feb. 1971 Page(s):189 - 205

[AbstractPlus](#) | Full Text: [PDF\(2223 KB\)](#) [IEEE JNL](#)
[Rights and Permissions](#) 3. **A novel millimeter-wave-band radio-over-fiber system with dense wavelength multiplexing bus architecture**Xiupu Zhang; Baozhu Liu; Jianping Yao; Ke Wu; Kashyap, R.; [Microwave Theory and Techniques, IEEE Transactions on](#)Volume 54, Issue 2, Part 2, Feb. 2006 Page(s):929 - 937
Digital Object Identifier 10.1109/TMTT.2005.863045[AbstractPlus](#) | Full Text: [PDF\(416 KB\)](#) [IEEE JNL](#)
[Rights and Permissions](#) 4. **Remote downconversion with wavelength reuse for the radio/fiber uplink**

Kaszubowska, A.; Hu, L.; Barry, L.P.;

[Photonics Technology Letters, IEEE](#)Volume 18, Issue 4, Feb. 15, 2006 Page(s):562 - 564
Digital Object Identifier 10.1109/LPT.2005.863995[AbstractPlus](#) | Full Text: [PDF\(128 KB\)](#) [IEEE JNL](#)
[Rights and Permissions](#) 5. **Extending optical transmission distance in fiber wireless links using passive conjunction with optimized modulation**Attygalle, M.; Lim, C.; Nirmalathas, A.; [Lightwave Technology, Journal of](#)

Volume 24, Issue 4, April 2006 Page(s):1703 - 1709
Digital Object Identifier 10.1109/JLT.2006.871042

[AbstractPlus](#) | Full Text: [PDF\(320 KB\)](#) IEEE JNL
[Rights and Permissions](#)

- 6. OCDMA over WDM PON-solution path to gigabit-symmetric FTTH**
Kitayama, K.; Xu Wang; Naoya Wada;
[Lightwave Technology, Journal of](#)
Volume 24, Issue 4, April 2006 Page(s):1654 - 1662
Digital Object Identifier 10.1109/JLT.2006.871030
[AbstractPlus](#) | Full Text: [PDF\(872 KB\)](#) IEEE JNL
[Rights and Permissions](#)

- 7. EA-transceiver for full-duplex WDM ring networks**
Stohr, A.; Heinzelmann, R.; Kitayama, K.; Jager, D.;
[Signals, Systems, and Electronics, 1998. ISSSE 98. 1998 URSI International Symposium on](#)
29 Sept.-2 Oct. 1998 Page(s):384 - 387
Digital Object Identifier 10.1109/ISSSE.1998.738102
[AbstractPlus](#) | Full Text: [PDF\(288 KB\)](#) IEEE CNF
[Rights and Permissions](#)

- 8. Long-term statistics of laser beam propagation in an optical ground-to-ground satellite communications link**
Toyoshima, M.; Yamakawa, S.; Yamawaki, T.; Arai, K.; Garcia-Talavera, M.R.;
Sodnik, Z.; Demelenne, B.;
[Antennas and Propagation, IEEE Transactions on](#)
Volume 53, Issue 2, Feb 2005 Page(s):842 - 850
Digital Object Identifier 10.1109/TAP.2004.841329
[AbstractPlus](#) | Full Text: [PDF\(808 KB\)](#) IEEE JNL
[Rights and Permissions](#)

- 9. The Autonomous Data Optical Relay Experiment: first two way laser communication between an aircraft and submarine**
Puschell, J.J.; Giannaris, R.J.; Stotts, L.;
[Telesystems Conference, 1992. NTC-92., National](#)
19-20 May 1992 Page(s):14/27 - 14/30
Digital Object Identifier 10.1109/NTC.1992.267865
[AbstractPlus](#) | Full Text: [PDF\(308 KB\)](#) IEEE CNF
[Rights and Permissions](#)

- 10. A Full-duplex WDM Millimeter-Wave-Band Radio-on-Fiber System Using a Supercontinuum Light Source**
Toda, H.; Nakayotani, T.; Kuri, T.; Kitayama, K.;
[Microwave Photonics, 2005. MWP 2005. International Topical Meeting on](#)
12-14 Oct. 2005 Page(s):111 - 114
[AbstractPlus](#) | Full Text: [PDF\(1192 KB\)](#) IEEE CNF
[Rights and Permissions](#)

- 11. Self-amplified transceivers for local-access star networks**
Feuer, M.D.; Feldman, R.D.; Zyskind, J.L.; Wood, T.H.; Sulhoff, J.; Lion, K.-Y.;
[Photonics Technology Letters, IEEE](#)
Volume 7, Issue 9, Sept. 1995 Page(s):1063 - 1065
Digital Object Identifier 10.1109/68.414704
[AbstractPlus](#) | Full Text: [PDF\(284 KB\)](#) IEEE JNL
[Rights and Permissions](#)

- 12. Transmission of 37.6-GHz QPSK Wireless Data Over 12.8-km Fiber With a Millimeter-Wave Local Oscillator Delivery Using a Bi-Directional SOA in a System With 2.2-km CWDM Fiber Ring Architecture**

Ismail, T.; Liu, C.P.; Mitchell, J.E.; Seeds, A.J.; Qian, X.; Wonfor, A.; Penty, R.
Photonics Technology Letters, IEEE
Volume 17, Issue 9, Sept. 2005 Page(s):1989 - 1991
Digital Object Identifier 10.1109/LPT.2005.853529
[AbstractPlus](#) | Full Text: [PDF\(240 KB\)](#) IEEE JNL
Rights and Permissions

- 13. Simultaneous electrooptical upconversion, remote oscillator generation, transmission of multiple optical WDM channels for a 60-GHz high-capacitance receiver**
Kojucharow, K.; Sauer, M.; Kaluzni, H.; Sommer, D.; Poegel, F.; Nowak, W.; F. D.;
Microwave Theory and Techniques, IEEE Transactions on
Volume 47, Issue 12, Dec. 1999 Page(s):2249 - 2256
Digital Object Identifier 10.1109/22.808967
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(236 KB\)](#) | [IEEE JNL](#)
[Rights and Permissions](#)

- 14. Radio-on-fiber techniques using two-mode injection-locked lasers for broad-band millimeter-wave communications**
Hu, W.W.; Inagaki, K.; Ohira, T.;
Microwave and Millimeter Wave Technology, 2002. Proceedings. ICMMT 2002 International Conference on
17-19 Aug. 2002 Page(s):7 - 10
[AbstractPlus](#) | Full Text: [PDF\(331 KB\)](#) | [IEEE CNF](#)
[Rights and Permissions](#)

- 15. SOA-EAM frequency up/down-converters for 60-GHz bi-directional radio-over-fiber**
Jun-Hyuk Seo; Chang-Soon Choi; Young-Shik Kang; Yong-Duck Chung; Jehan Choi;
Microwave Theory and Techniques, IEEE Transactions on
Volume 54, Issue 2, Part 2, Feb. 2006 Page(s):959 - 966
Digital Object Identifier 10.1109/TMTT.2005.863028
[AbstractPlus](#) | Full Text: [PDF\(592 KB\)](#) | [IEEE JNL](#)
[Rights and Permissions](#)

- 16. A physical model for wireless channels to provide insights for long range communications**
Hallen, H.; Duel-Hallen, A.; Shengquan Hu; Tung-Shen Yang; Ming Lei;
MILCOM 2002. Proceedings
Volume 1, 7-10 Oct. 2002 Page(s):627 - 631 vol.1
Digital Object Identifier 10.1109/MILCOM.2002.1180517
[AbstractPlus](#) | Full Text: [PDF\(589 KB\)](#) | [IEEE CNF](#)
[Rights and Permissions](#)

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1164	455/63.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L2	144	455/63.4.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L3	504	455/428.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L4	1302	455/562.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L5	1164	455/63.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L6	144	455/63.4.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L7	504	455/428.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L8	1302	455/562.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L9	1048	(L5 OR L6 OR L7 OR L8) AND beam	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01

EAST Search History

L10	526	(L5 OR L6 OR L7 OR L8) AND beam AND (downlink OR (down ADJ link))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L11	505	(L5 OR L6 OR L7 OR L8) AND beam AND (downlink OR (down ADJ link)) AND antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L12	359	(L5 OR L6 OR L7 OR L8) AND beam AND (downlink OR (down ADJ link)) AND (antenna NEAR5 array)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L13	315	(L5 OR L6 OR L7 OR L8) AND beam AND (downlink OR (down ADJ link)) AND (antenna NEAR5 array) AND (base ADJ station)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L14	170	(L5 OR L6 OR L7 OR L8) AND (beam WITH (downlink OR (down ADJ link))) AND (antenna NEAR5 array) AND (base ADJ station)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L15	61	(L5 OR L6 OR L7 OR L8) AND (beam WITH (downlink OR (down ADJ link))) AND (antenna NEAR5 array) AND (base ADJ station) AND null	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L16	1904	arcsin	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L17	55	arcsin WITH wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L18	134	arcsin SAME wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L19	90	arcsin WITH lambda	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01

EAST Search History

L20	23	arcsin WITH lambda WITH (theta OR phi)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L21	30	(bad ADJ null) OR (pseudo ADJ null)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L22	149	(false OR fake OR unwanted) ADJ null	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L23	38	(good ADJ null)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L24	1864	downlink ADJ3 frequency	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L25	1053	(downlink ADJ3 frequency) WITH (uplink ADJ3 frequency)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L26	5457	null NEAR3 (mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L27	208	null NEAR3 (mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) NEAR3 (zero OR "0")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L28	3660	(mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) ADJ3 null	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L29	70	(mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) ADJ3 null ADJ3 (zero OR "0")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01

EAST Search History

L30	128	(mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) ADJ5 null ADJ5 (zero OR "0")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L31	4	(mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) ADJ5 null ADJ5 ((zero OR "0") ADJ degrees)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L32	128	(mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4 OR redirect) ADJ5 null ADJ5 (zero OR "0")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L33	356704	antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L34	45	antenna AND (null WITH DOA)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L35	1827	antenna AND (null WITH direction)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L36	713	(antenna ADJ array) AND (null WITH direction)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L37	264	(antenna ADJ array) AND (null WITH direction WITH (mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L38	14334	antenna ADJ array	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L39	1248	(antenna ADJ array) AND ((antenna OR element) ADJ (spacing OR distance OR separation))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01

EAST Search History

L40	406	(antenna ADJ array) AND (((antenna OR element) ADJ (spacing OR distance OR separation)) WITH wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L41	122	(antenna ADJ array) AND (((antenna OR element) ADJ (spacing OR distance OR separation)) WITH wavelength WITH half)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L42	24	(antenna ADJ array) AND (((antenna OR element) ADJ (spacing OR distance OR separation)) WITH wavelength WITH quarter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L43	55	(weight ADJ generator) AND (antenna ADJ array)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L44	60	sum ADJ5 (uplink AND downlink)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L45	1	sum WITH ((uplink AND downlink) NEAR5 wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L46	1164	455/63.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L47	144	455/63.4.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L48	504	455/428.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L49	1302	455/562.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01

EAST Search History

L50	1164	455/63.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L51	144	455/63.4.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L52	504	455/428.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L53	1302	455/562.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L54	1048	(L50 OR L51 OR L52 OR L53) AND beam	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L55	526	(L50 OR L51 OR L52 OR L53) AND beam AND (downlink OR (down ADJ link))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L56	505	(L50 OR L51 OR L52 OR L53) AND beam AND (downlink OR (down ADJ link)) AND antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L57	359	(L50 OR L51 OR L52 OR L53) AND beam AND (downlink OR (down ADJ link)) AND (antenna NEAR5 array)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L58	315	(L50 OR L51 OR L52 OR L53) AND beam AND (downlink OR (down ADJ link)) AND (antenna NEAR5 array) AND (base ADJ station)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L59	170	(L50 OR L51 OR L52 OR L53) AND (beam WITH (downlink OR (down ADJ link))) AND (antenna NEAR5 array) AND (base ADJ station)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01

EAST Search History

L60	61	(L50 OR L51 OR L52 OR L53) AND (beam WITH (downlink OR (down ADJ link))) AND (antenna NEAR5 array) AND (base ADJ station) AND null	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L61	1904	arcsin	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L62	55	arcsin WITH wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L63	134	arcsin SAME wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L64	90	arcsin WITH lambda	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L65	23	arcsin WITH lambda WITH (theta OR phi)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L66	30	(bad ADJ null) OR (pseudo ADJ null)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L67	149	(false OR fake OR unwanted) ADJ null	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L68	38	(good ADJ null)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L69	1864	downlink ADJ3 frequency	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01

EAST Search History

L70	1053	(downlink ADJ3 frequency) WITH (uplink ADJ3 frequency)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L71	5457	null NEAR3 (mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L72	208	null NEAR3 (mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) NEAR3 (zero OR "0")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L73	3660	(mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) ADJ3 null	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L74	70	(mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) ADJ3 null ADJ3 (zero OR "0")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L75	128	(mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) ADJ5 null ADJ5 (zero OR "0")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L76	4	(mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) ADJ5 null ADJ5 ((zero OR "0") ADJ degrees)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L77	128	(mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4 OR redirect) ADJ5 null ADJ5 (zero OR "0")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L78	356704	antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L79	45	antenna AND (null WITH DOA)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01

EAST Search History

L80	1827	antenna AND (null WITH direction)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L81	713	(antenna ADJ array) AND (null WITH direction)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L82	264	(antenna ADJ array) AND (null WITH direction WITH (mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L83	14334	antenna ADJ array	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L84	1248	(antenna ADJ array) AND ((antenna OR element) ADJ (spacing OR distance OR separation))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L85	406	(antenna ADJ array) AND (((antenna OR element) ADJ (spacing OR distance OR separation)) WITH wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L86	122	(antenna ADJ array) AND (((antenna OR element) ADJ (spacing OR distance OR separation)) WITH wavelength WITH half)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L87	24	(antenna ADJ array) AND (((antenna OR element) ADJ (spacing OR distance OR separation)) WITH wavelength WITH quarter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L88	55	(weight ADJ generator) AND (antenna ADJ array)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L89	60	sum ADJ5 (uplink AND downlink)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01

EAST Search History

L90	1	sum WITH ((uplink AND downlink) NEAR5 wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L91	1	"6041237".PN.	USPAT; USOCR	OR	ON	2006/07/10 14:01
L92	1	sum WITH (uplink ADJ wavelength) WITH (downlink ADJ wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L93	1	sum WITH ((uplink AND downlink) NEAR3 wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L94	1	averag\$4 WITH ((uplink AND downlink) NEAR5 wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L95	1	"6041237".PN.	USPAT; USOCR	OR	ON	2006/07/10 14:01
L96	1	sum WITH (uplink ADJ wavelength) WITH (downlink ADJ wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L97	1	sum WITH ((uplink AND downlink) NEAR3 wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L98	1	averag\$4 WITH ((uplink AND downlink) NEAR5 wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L99	36	(L5 OR L6 OR L7 OR L8) AND (beam WITH (downlink OR (down ADJ link))) AND (antenna NEAR5 array) AND (base ADJ station) AND null AND weight	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L100	4	arcsin WITH wavelength WITH antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01

EAST Search History

L101	3	arcsin SAME wavelength SAME (antenna WITH (spacing OR separation OR distance))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L102	10	arcsin SAME wavelength SAME antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L103	16	arcsin WITH lambda WITH theta	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L104	7	L20 NOT L103	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L105	5	bad ADJ null	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L106	25	L21 NOT L105	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L107	20	((false OR fake OR unwanted) ADJ null) AND antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L108	18	(good ADJ null) AND antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L109	32	(downlink ADJ3 frequency) WITH (uplink ADJ3 frequency) WITH ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L110	11	(downlink ADJ3 frequency) WITH (uplink ADJ3 frequency) WITH ratio WITH phase	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01

EAST Search History

L111	6	null NEAR3 (mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) NEAR3 ((zero OR "0") ADJ degrees)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L112	29	(null NEAR3 (mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) NEAR3 (zero OR "0")) AND antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L113	2	(mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) ADJ3 null ADJ3 ((zero OR "0") ADJ degrees)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L114	2	L31 NOT L113	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L115	8	((mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) ADJ5 null ADJ5 ((zero OR "0")) WITH (direction OR DOA)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L116	43	(mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4 OR redirect) ADJ5 null ADJ5 ("0")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L117	3	((mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4 OR redirect) ADJ5 null ADJ5 ("0")) AND antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L118	8	(antenna ADJ array) AND (null WITH direction WITH (mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) WITH (zero OR "0"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L119	7	(antenna ADJ array) AND (((antenna OR element) ADJ (spacing OR distance OR separation)) WITH wavelength WITH half WITH less WITH equal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L120	2	downlink ADJ weight ADJ generator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01

EAST Search History

L121	11	((weight ADJ generator) WITH downlink) AND (antenna ADJ array)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L122	36	(L50 OR L51 OR L52 OR L53) AND (beam WITH (downlink OR (down ADJ link))) AND (antenna NEAR5 array) AND (base ADJ station) AND null AND weight	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L123	4	arcsin WITH wavelength WITH antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L124	3	arcsin SAME wavelength SAME (antenna WITH (spacing OR separation OR distance))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L125	10	arcsin SAME wavelength SAME antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L126	16	arcsin WITH lambda WITH theta	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L127	7	L65 NOT L126	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L128	5	bad ADJ null	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L129	25	L66 NOT L128	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L130	20	((false OR fake OR unwanted) ADJ null) AND antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01

EAST Search History

L131	18	(good ADJ null) AND antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L132	32	(downlink ADJ3 frequency) WITH (uplink ADJ3 frequency) WITH ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L133	11	(downlink ADJ3 frequency) WITH (uplink ADJ3 frequency) WITH ratio WITH phase	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L134	6	null NEAR3 (mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) NEAR3 ((zero OR "0") ADJ degrees)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L135	29	(null NEAR3 (mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) NEAR3 (zero OR "0")) AND antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L136	2	(mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) ADJ3 null ADJ3 ((zero OR "0") ADJ degrees)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L137	2	L76 NOT L136	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L138	8	((mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) ADJ5 null ADJ5 (zero OR "0")) WITH (direction OR DOA)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L139	43	(mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4 OR redirect) ADJ5 null ADJ5 ("0")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L140	3	((mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4 OR redirect) ADJ5 null ADJ5 ("0")) AND antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01

EAST Search History

L141	8	(antenna ADJ array) AND (null WITH direction WITH (mov\$4 OR reset\$4 OR steer\$4 OR shift\$4 OR plac\$4) WITH (zero OR "0"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L142	7	(antenna ADJ array) AND (((antenna OR element) ADJ (spacing OR distance OR separation)) WITH wavelength WITH half WITH less WITH equal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L143	2	downlink ADJ weight ADJ generator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L144	11	((weight ADJ generator) WITH downlink) AND (antenna ADJ array)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L145	1	09/922442	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L146	379506	((antenna or array or element) near5 (spac\$3 or separation or distance or delta))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L147	41	(null near3 wrap\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L148	100	(wavelength near3 uplink)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L149	100	(wavelength near3 downlink)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L150	2	L146 with L148 with L149	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01

EAST Search History

L151	1644	(342/368.ccls. or 342/372.ccls. or 342/373.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L152	282	(342/368.ccls. or 342/372.ccls. or 342/373.ccls.) and null and beam	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L153	11	(342/368.ccls. or 342/372.ccls. or 342/373.ccls.) and null and beam and (fdd or (frequency adj division adj duplex))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:01
L154	4	downlink with (greater or higher or more or exceed) with wavelength with (spac\$3 or separation or delta)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:51
L155	2	uplink with (less\$2 or lower or below) with wavelength with (spac\$3 or separation or delta)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 14:53
L157	4	(uplink adj null) with (downlink adj null)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 15:43
L158	26	(pseudonull or (pseudo adj null))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 15:56
L159	165	(pseudonull or (pseudo adj null)) or (false adj null))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 15:57